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PHOTOGRAPHIC INTERPRETATION REPORT



**OLOVYANNAYA
ICBM COMPLEX
USSR**

TCS-80789/67

DECEMBER 1967

COPY 117

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PREFACE

This report updates and supersedes TCS-80197/67, Olovyannaya ICBM Complex, USSR, 1/ one of a series of reports prepared in response to CIA Requirements C-DI5-82,972 and C-DI7-84,251 requesting detailed line drawings, to scale, of elements of the complex. The information contained herein is based on KEYHOLE photography through Mission [REDACTED] Individual reports will be updated periodically to reflect changes observed on subsequent photography.

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Component	Type	Geographic Coordinates	Component	Type	Geographic Coordinates
Complex Support Facility	--	50-49N 115-50E	Launch Site 48H	IID	50-44N 116-07E
Launch Site 1	IIIA	50-54N 115-48E	Launch Site 49H	IID	50-41N 116-05E
Launch Site 2	IIIA	50-55N 115-44E	Launch Site 50H	IID	50-37N 116-03E
Launch Site 3	IIIA	51-01N 115-57E	Launch Site 51H	IID	50-42N 115-57E
Launch Group D			Launch Site 52H	IID	50-39N 116-11E
Launch Site 4D	IID	51-07N 116-03E	Launch Site 57H	IID	50-37N 116-07E
Launch Site 5D	IID	51-05N 116-08E	Launch Site 58H	IID	50-41N 116-09E
Launch Site 6D ^a	IID	51-06N 116-05E	Launch Group I		
Launch Site 7D	IID	51-02N 116-09E	Launch Site 55I ^a	IID	50-58N 116-12E
Launch Site 8D	IID	51-02N 116-03E	Launch Site 56I	IID	50-50N 116-06E
Launch Site 9D	IID	51-03N 115-59E	Launch Site 59I	IID	50-52N 116-13E
Launch Site 10D	IID	51-06N 116-00E	Launch Site 78I	IID	50-55N 116-08E
Launch Site 11D	IID	51-06N 116-14E	Launch Site 81I	IID	50-58N 116-19E
Launch Site 12D	IID	51-08N 116-07E	Launch Site 82I	IID	50-55N 116-16E
Launch Site 13D	IID	51-06N 116-12E	Launch Site 83I	IID	50-54N 116-22E
Launch Group E			Launch Site 84I	IID	51-00N 116-16E
Launch Site 14E	IID	50-59N 116-00E	Launch Site 85I	IID	51-02N 116-21E
Launch Site 15E	IID	50-56N 116-01E	Launch Site 86I	IID	50-57N 116-24E
Launch Site 16E	IID	50-54N 116-01E	Launch Group J		
Launch Site 17E ^a	IID	50-55N 115-58E	Launch Site 60J	IID	50-58N 115-50E
Launch Site 18E	IID	50-55N 115-52E	Launch Site 61J	IID	50-57N 115-53E
Launch Site 19E	IID	50-52N 115-56E	Launch Site 62J	IID	50-56N 115-58E
Launch Site 20E	IID	50-58N 115-54E	Launch Site 64J	IID	50-54N 115-53E
Launch Site 21E	IID	50-57N 115-49E	Launch Site 65J	IID	50-52N 115-49E
Launch Site 22E	IID	51-00N 115-47E	Launch Site 73J	IID	50-55N 115-49E
Launch Site 23E	IID	51-00N 115-51E	Launch Site 74J	IID	50-53N 116-02E
Launch Group F			Launch Site 75J	IID	50-54N 116-07E
Launch Site 35F	IID	50-50N 115-56E	Launch Site 76J	IID	50-50N 116-01E
Launch Site 36F	IID	50-48N 115-57E	Launch Site 77J	IID	50-51N 116-07E
Launch Site 37F	IID	50-47N 115-54E	Launch Group K		
Launch Site 38F	IID	50-49N 115-51E	Launch Site 63K	IID	51-12N 116-00E
Launch Site 39F	IID	50-51N 116-00E	Launch Site 66K	IID	51-08N 115-53E
Launch Site 40F ^a	IID	50-50N 116-03E	Launch Site 67K	IID	51-06N 115-50E
Launch Site 41F	IID	50-52N 116-07E	Launch Site 68K	IID	51-08N 115-58E
Launch Site 42F	IID	50-49N 116-07E	Launch Site 69K	IID	51-05N 115-55E
Launch Site 43F	IID	50-46N 116-01E	Launch Site 70K	IID	51-13N 115-55E
Launch Site 44F	IID	50-45N 115-58E	Launch Site 71K	IID	51-11N 116-05E
Launch Group G			Launch Site 72K	IID	51-10N 116-01E
Launch Site 25G	IID	50-44N 115-44E	Launch Site 79K	IID	51-15N 115-58E
Launch Site 26G	IID	50-46N 115-41E	Launch Site 80K	IID	51-15N 116-04E
Launch Site 27G	IID	50-47N 115-45E	Launch Group L		
Launch Site 28G	IID	50-45N 115-49E	Launch Site 87L	IID	50-58N 115-50E
Launch Site 29G	IID	50-41N 115-50E	Launch Site 88L	IID	50-50N 116-55E
Launch Site 30G	IID	50-40N 115-45E	Launch Site 89L	IID	50-55N 116-52E
Launch Site 31G	IID	50-47N 115-41E	Launch Site 90L	IID	50-52N 116-32E
Launch Site 32G	IID	50-58N 115-49E	Launch Site 91L	IID	50-54N 116-26E
Launch Site 33G	IID	50-58N 115-41E	Launch Site 93L	IID	50-53N 116-36E
Launch Site 34G	IID	50-49N 115-42E	Launch Site 94L	IID	50-55N 116-38E
Launch Group H			Launch Site 95L	IID	50-51N 116-29E
Launch Site 45H	IID	50-40N 115-54E	Launch Site 96L	IID	50-50N 116-24E
Launch Site 46H	IID	50-40N 115-58E	Launch Site 97L	IID	50-53N 116-26E
Launch Site 47H	IID	50-42N 116-01E	Launch Site 24	IID	50-51N 115-50E

^aControl Site.

^aControl Site with L-shaped electronics facility.

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OLOVYANNAYA ICBM COMPLEX, USSR

The Olovyannaya ICBM Complex (Figure 1) is in the mountainous southeastern corner of Central Siberia, less than 50 nm from the border of Mongolia. The largest city within a radius of over 500 nm is Chita, about 105 nm northwest of the complex. The town of Olovyannaya is about 12 nm northwest of the complex. The Type IIIA launch sites were the first to be deployed at this complex, followed by the Type IIID launch sites. The area of deployed sites falls east of the town of Olovyannaya, and extends about 35 nm in an east-west direction and about 45 nm north and south.

This corner of Central Siberia is the least rugged in the whole region. The terrain in and around the complex includes mountains as well as low rolling hills. Elevations range from 2,400 feet in the valleys to over 3,400 feet in the mountains. The Onon river lies west of the complex and flows to the north. Drains in the area range from deep cuts in the mountains to relatively shallow ones among the lower hills. All drains in the complex flow generally west into the Onon river. The mountainous areas are, for the most part, heavily forested, and, except for some towns in the valleys of the larger drains, are generally uninhabited. The lower hills have few, if any, trees and are either under cultivation or devoted to cattle raising. Numerous small villages and groups of buildings are scattered throughout the area.

The weather in this region, while severe during the winter, does not appear to seriously hamper year-around operations. Winters are extremely cold, with the lowest mean daily minimum temperature of -32°F occurring during January. Snowfall is light, but low temperatures keep it on the ground from mid-November through March. Skies are frequently clear. Summers are cool-to-warm, with generally increased cloudiness. The daily maximum temperature during July is 76°F. Precipitation is at a maximum during the summer, and is usually in the form of showers. Average overall cloudiness in this region is slightly under 60 percent. Clear skies are most prevalent from November through March when about one-third to over one-half of the days are clear. The least number of clear days generally occurs in late spring, summer, or early autumn when only one-third or less days are clear.

The Olovyannaya Complex is on the single-track rail line that branches off the Trans-Siberian Railroad about 45 nm southeast of Chita, at Tarskiy, and continues southeast across the border into China. A spur from this rail line serves the complex support facility and terminates at the rail-to-road transfer point. A system of local roads and trails joins the towns and villages in the area, but no cross-country highways exist. A well-engineered complex main

road system was constructed concurrent with the Type IIIA launch sites. This road system is being expanded to include the Type IIID launch sites as they approach completion. Existing roads within the area of deployed sites are inadequate for complex use. The general route of some of the local roads may occasionally be utilized but bridges, curves, and gradients must be improved to meet the more rigid requirements of missile transport.

First evidence of this complex was in [REDACTED] when activity was noted in the area of the complex support facility. There was no evidence of any launch sites at this time but [REDACTED] Launch Site 1 (Type IIIA) was identified in an early stage of construction. Launch Sites 2 and 3 (both Type IIIA) were identified in [REDACTED] respectively. It was not until [REDACTED] that the last of the Type IIIA sites, Launch Site 3, was considered complete. Meanwhile, in [REDACTED] 2 Type IIID launch sites were identified northeast of Launch Site 3. [REDACTED] 18 more Type IIID sites were identified; 28 more in [REDACTED] one more group of 10 Type IIID sites has been observed under construction. There are now at this complex, in addition to the 3 Type IIIA launch sites, a total of 9 groups of Type IIID launch sites, and an additional site (Launch Site 24) at the rail-to-road transfer point. All of the launch groups have their full complement of 10 sites. By [REDACTED] Launch Groups E and G were complete; to date in [REDACTED] Launch Groups D, F, H, I, J, and K have been completed, with the last groups (J and K) observed complete in [REDACTED] The remaining group, Launch Group L, is currently in a midstage of construction.

The status of future growth at this complex is undetermined at this time. The latest launch group to be deployed was probably started during [REDACTED] with the last sites in the group started in [REDACTED] Unidentified ground scarring northeast of Launch Group I, and east of Launch Group L, may possibly be a preliminary survey for additional launch sites. There is also ample space for deployment to the south of Launch Group L, with no natural barriers to hamper access into the area. If deployment is continued at this complex, there is a likelihood that it will be for a missile system that is a follow-on for the Type IIID sites now deployed. Evidence for a new deployment system is derived from the new missile systems currently under development at Tyuratam and Plesetsk, and from the noticeable slacking off of Type IIID group starts at Olovyannaya and other IIID complexes.

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